

ABSTRACT

A large-scale system for storage and mixing of a solution comprising a plurality of ingredients not compatible for long-term storage in a pre-mixed formulation includes a storage tank that is divided into a plurality of compartments each of which is adapted to isolate and store a proportionate amount of ingredient, fluid conduits for withdrawing and conveying the ingredients from the compartments, valves for controlling the flow of ingredients and for preventing backflow, a manifold for continuous mixing and blending of the ingredients as they are withdrawn, a sump for holding a quantity of the mixed solution, a display to enable monitoring of system parameters and a discharge port to which conduits may be coupled for withdrawing the mixed solution from the system.